

## Michael Crowther

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### Education

#### Utah Valley University

Bachelor of Science - BS, Computer Science. GPA: 3.70

Relevant Coursework: OOP, Algorithms, AI, Data Privacy, Computer Architecture

Orem, UT

May, 2025

#### Sunset High School

Award-winning jazz saxophonist, marching band leader, orchestrator, GPA: 3.85

Portland, OR

June, 2018

### Experience

#### Wyssling Consulting Software Engineer

Remote  
October 2023 – Present

- **CRM System Development:** Collaborated with 3 developers in designing and developing a CRM system for a solar engineering firm, streamlining reporting for management, providing client access, and automating workflows.
- **Backend Development:** Designed and implemented scalable and maintainable backend systems using Node.js, tRPC, and PostgreSQL. Focused on writing efficient CRUD operations and optimizing database interactions.
- **Frontend Development:** Developed user-friendly interfaces with TypeScript, React, and Tailwind CSS. Created visually appealing and reusable React components to improve user experience.
- **Stakeholder Communication and Support:** Engaged with company management and end-users to gather and implement system requirements effectively. Provided non-technical training to clients on system usage, conducted thorough code reviews, and clearly explained technical concepts to both technical and non-technical stakeholders.

#### Independent Game Developer Self-Published on Steam

Year Published: 2022

- **Game Design & Programming:** Designed, programmed, animated, and published a first-person horror game on Steam using Unity and C#. Developed core mechanics including character movement, world interactions, XP progression, and leveling systems.
- **AI Development:** Implemented advanced monster AI using navigation agents and spawning pools. Developed complex enemy behavior including attack logic, health management, and damage calculations to enhance gameplay and challenge.

### Leadership & Activities

#### Boy Scouts of America Eagle Scout

Year Earned: 2018

- **Leadership and Collaboration:** Gained foundational leadership skills through managing a team of volunteers, organizing tasks, and ensuring Eagle Scout project completion. Developed the ability to work with diverse groups of people from a young age, enhancing communication and teamwork abilities.

### Skills & Interests

**Skills:** Effective communication, problem-solving, teamwork, adaptability, coachability

**Technical:** TypeScript, Node.js, Next.js, Java, tRPC, SQL, React, Tailwind CSS

**Interests:** Saxophone, Music Production, Game Development, Hiking, Camping